

REMARKS

The specification has been amended to claim the benefit two prior provisional applications. This claim is timely under 37 C.F.R. § 1.78(a)(5), since it is filed within four months of the July 25, 2003, filing date of the present application. Paragraphs [0009] and [0058] of the application have also been amended to correct minor typographical errors.

INFORMATION DISCLOSURE STATEMENT

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. § 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed.

The listed documents include the patents and other references mentioned in the present application. Listed U.S. Patent 3,873,229 is cited only because its Fig. 1 was used as the basis for Fig. 2 of the present application.

In addition to the enclosed documents, the applicants would like to apprise the Examiner that subject matter relating to the present invention was disclosed to the Department of the Navy more than one year prior to the filing date of the present application. The disclosure of information was made as part of a proposal by the assignee of the present invention, Continuum Dynamics, Inc., for a contract to perform work for the U.S. government under the Small Business Innovation Research program. The assignee also provided written reports to the Department of Defense under a contract awarded pursuant to that proposal.

All written materials submitted to the U.S. Government were marked as the confidential information of Continuum Dynamics, Inc., and the applicants believe that no information

relating to the subject matter claimed in the present application was made available to the public before the filing date of the present application.

The applicants emphasize that the invention claimed in the present application resulted from work conducted outside the scope of any government contract.

If the Examiner would like further information regarding government work performed by the assignee in this technical area, the applicants will endeavor to answer any of the Examiner's questions in that regard.

It is respectfully requested that the documents listed on the enclosed Form PTO-1449 be considered by the Examiner and that a copy of the Form PTO-1449 be returned indicating that such documents have been considered.

SUMMARY

The applicants' undersigned attorney may be reached by telephone at (609) 921-8660. All correspondence should continue to be directed to the below listed address.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "David M. Quinlan", followed by a horizontal line extending to the right.

Attorney for Applicants

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INFORMATION DISCLOSURE CITATION

(Page 1 of 2)

Atty. Docket No.:
1100.8

Application No.:
10/627,851

Applicants: William J. Usab, Jr., et al.

Filing Date:
July 25, 2003

Group:
Not yet assigned

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	3 0 5 8 5 2 8	10/16/62	F.A. Hirsch	170	159	
	3 1 6 9 7 4 7	2/16/65	D.G. Seymour	253	39	
	3 5 3 6 4 1 7	10/27/70	W. Stiefel et al.	416	223	
	3 8 6 1 8 2 2	1/21/75	Wanger	415	147	
	3 8 7 3 2 2 9	3/25/75	Mikolajczak et al.	415	119	
	4 2 5 3 8 0 0	3/03/81	Segawa et al.	416	203	
	4 4 7 4 5 3 4	10/02/84	Thode	416	203	
	5 3 6 8 4 4 0	11/29/94	Japikse et al.	415	208.3	
	5 5 8 8 6 1 8	12/31/96	Marze et al.	244	17.19	

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation (Yes/No)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	Bandyopadhyay, "Maneuvering Hydrodynamics of Fish and Small Underwater Vehicles," <u>Integrative and Comparative Biology</u> , Volume 42, No. 1, February 2002, pp. 102-117.
	Bandyopadhyay et al., "A Biometric Propulsor for Active Noise Control: Experiments". <u>NUWC-NPT Tech. Rept. 11,351</u> , NAVSEA Naval Undersea Warfare Center (NUWC) Division, Newport, RI, March 2002, pp. 1-15.
	Dickinson et al., "Wing Rotation and the Aerodynamic Basis of Flight," <u>Science</u> , Vol. 284, June 18, 1999, pp. 1954-60.
	Dickinson, "Solving the Mystery of Insect Flight," <u>Scientific American</u> , June 2001, pp. 49-57.
	Francis et al., "The Flow Near a Wing Which Starts Suddenly from Rest and Then Stalls," <u>Rep. Memo Aeronautical Research Comm.</u> , Aeronautics Laboratory, University of Cambridge, England, Rept. No. 1561, August 8, 1933.

EXAMINER

DATE CONSIDERED

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.



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	5 6 3 4 6 1 1	6/03/97	Marze et al.	244	17.19	
	5 6 3 4 6 1 3	6/03/97	McCarthy	244	199	
	5 7 3 0 5 8 0	3/24/98	Japikse	415	208.3	
	5 7 5 2 6 7 2	5/19/98	McKillip, Jr.	244	75	
	6 3 4 5 7 9 2	2/12/02	Bilanin et al.	244	215	
	6 4 3 9 8 3 8	8/27/02	Crall et al.	415	119	

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Document Number	Date	Country	Class	Subclass	Translation (Yes/No)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	Harris et al., "Rotor High Speed Performance, Theory vs. Test," <u>J. of Amer. Helicopter Soc.</u> , Vol. 15, No. 3, April 1970, pp. 35-44.
	Johnson, "Rotorcraft Aerodynamics Models for a Comprehensive Analysis," <u>Proc. Amer. Helicopter Soc. 54th Annual Forum</u> , Washington, DC, May 20-22, 1998, pp. 71-94.
	Nguyen et al., "Evaluation of Dynamic Stall Models with UH-60A Airloads Flight Test Data," <u>Proc. Amer. Helicopter Soc. 54th Annual Forum</u> , Washington, DC, May 20-22, 1998, pp.576-88.
	Tarzanin, "Prediction of Control Loads Due to Blade Stall," <u>J. of Amer. Helicopter Soc.</u> , Vol. 17, No. 2, April 1972, pp. 33-46.

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